PROJECT DESCRIPTION

This project involves the installation of a new traffic control signal at MD 122 (Security Boulevard) and I-695 northbound ramp in Baltimore County. It also involves interconnect to Md 122 and Whitehead road and MD 122 and I-695 southbound ramp.

MD 122 is assumed to run in a east-west direction.

INTERSECTION OPERATION

The intersection will operate in a NEMA two phase, full-actuated mode. The eastbound MD 122 left turn will flash RED until vehicles actuate the left turn signals. At that time the signals will show green arrows and the I-695 westbound signal heads will turn RED.

EQUIPMENT TO BE FURNISHED BY SHA

9086 1 EA CABINET W/TELEMETRY (SYSTEM CAB), SIZE 6
9087 1 EA CONTROLLER ASC II W/TELEMETRY
9089 15 SF FLAT SHEET ALUM, SIGN-YELLOW, ORANGE, & SILVER (SF)
9090 10.5 SF FLAT SHEET ALUM, SIGN-BLUE OR GREEN (SF)
9090 1 EA 23 FT STEEL POLE WITH 64 FT MAST ARM

EQUIPMENT TO BE FURNISHED AND/OR TO BE INSTALLED BY THE CONTRACTOR

1001	1	EΑ	MAINTENANCE OF TRAFFIC
5004	36	LF	FURNISH AND INSTALL 24 INCH WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARK
8001	5.4	CY	FURNISH AND INSTALL CONCRETE FOR POLE BASES
8003	1	EΑ	FURNISH AND INSTALL 14 FT PEDESTAL POLE
8Ø16	2	EΑ	FURNISH AND INSTALL MICROLOOP PROBE SET WITH 500 FOOT LEAD-IN
8Ø21	388	LF	FURNISH AND INSTALL SAW CUT FOR SIGNAL (LOOP DETECTOR)
8023	39	LF	FURNISH AND INSTALL 1 IN LIQUID-TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE
8024	27	LF	FURNISH AND INSTALL 2" SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
8027	38Ø	LF	FURNISH AND INSTALL 3'SCHEDULE RIGID PVC CONDUIT - TRENCHED
8Ø28	235	LF	FURNISH AND INSTALL 3' SCHEDULE 80 RIGID PVC CONDUIT - SLOTTED
8029	110	LF	FURNISH AND INSTALL 3' SCHEDULE RIGID PVC CONDUIT - BORED
8030	40	LF	FURNISH AND INSTALL 4" SCHEDULE RIGID PVC CONDUIT - TRENCHED
8Ø33	5	EΑ	FURNISH AND INSTALL ELECTRICAL HANDHOLE
8034	3	EΑ	FURNISH AND INSTALL GROUND ROD -%INCH DIAMETER X 10 FOOT LENGTH
8039	1660	LF	FURNISH AND INSTALL 12 PAIR COMMUNICATION CABLE, JELLYFILLED (UNDERGROUND)
8040	1983	LF	FURNISH AND INSTALL LOOP WIRE ENCASED IN FLEXIBLE TUBING (NO.14 AWG)
8044	4Ø	LF	FURNISH AND INSTALL ELECTRICAL CABLE - 5 CONDUCTOR (NO.14 AWG)
8Ø45	160	LF	FURNISH AND INSTALL ELECTRICAL CABLE - 7 CONDUCTOR (NO.14 AWG)
8Ø48	75	LF .	FURNISH AND INSTALL NO.6 AWG STRANDED BARE COPPER GROUND WIRE
8049	50	LF	FURNISH AND INSTALL ELECTRICAL CABLE - 1 CONDUCTOR (NO. 4 AWG) - THHN/THWN
8Ø51	19.5	LF	FURNISH AND INSTALL WOOD SIGN SUPPORTS 4 X 6 INCH
8Ø53	10.5	SF	INSTALL OVERHEAD SIGN
8052	12	SF	INSTALL GROUND MOUNTED SIGN
8074	1	EΑ	INSTALL MAST ARM POLE AND 64 FOOT MAST ARM
8084	9	EΑ	FURNISH AND INSTALL 12 INCH VEHICULAR TRAFFIC SIGNAL HEAD SECTION - BLACK FACE

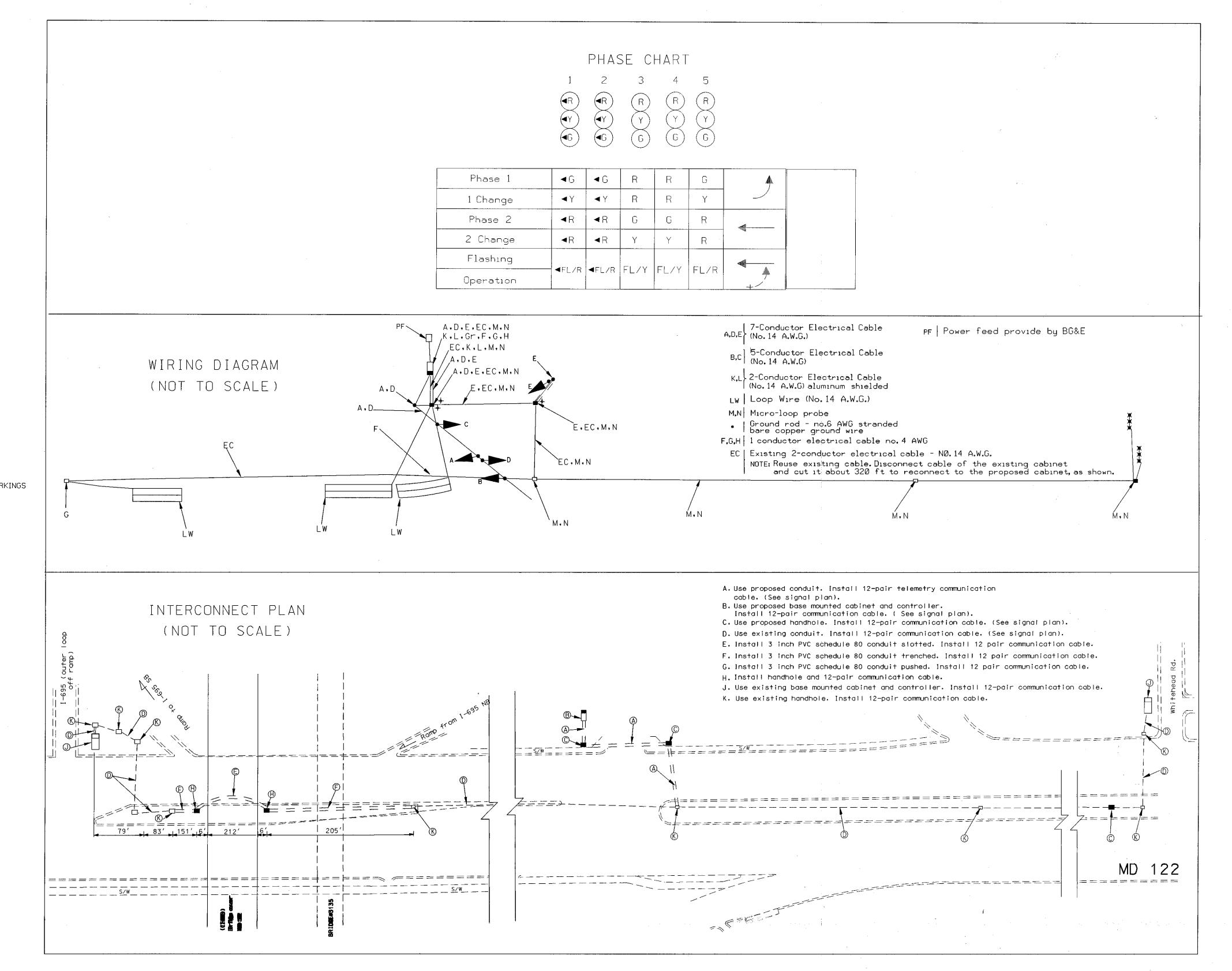
6 EA FURNISH AND INSTALL 12 INCH OPTICALLY PROGRAMMED TRAFFIC SIGNAL HEAD- BLACK FACE

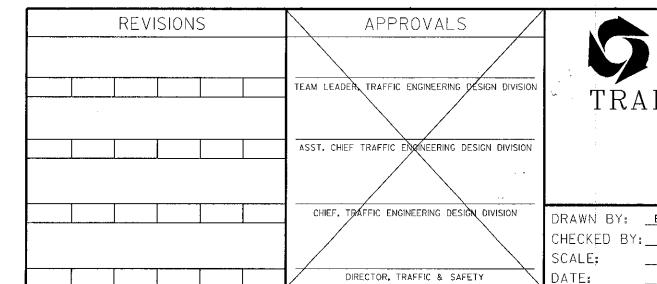
CONTACT LIST

Mr. Dave Malkowskı, Dıstrcıt Engineer Phone: (410) 321-2761

Mr. Joseph McMahon, Assistant District Engineer-Utilities Phone: (410) 321-2841 Mr. Edward Rodenhizer. Chief SHA Traffic Signal Shop Phone: (410) 787-7650

Mr. Richard Daff SR., Chief Traffic Operations Division Phone: (410) 787-7630





MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety

TRAFFIC ENGINEERING DESIGN DIVISION
GENERAL INFORMATION SHEET

MD 122 AT NB I-695 RAMP

 DRAWN BY:
 B. VAN DOORNIK
 F.A.P. NO.
 TS NO.

 CHECKED BY:
 D. DODA
 S.H.A. NO.
 XX100'S H 8 5
 4090
 SHEET NO.

 SCALE:
 NOT TO SCALE
 COUNTY:
 BALTIMORE
 T.I.M.S. NO.
 E354
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